

*A¹ Sub
cont. B¹ cont.* beginning of the processes from the infrared emission recorded during the course of the processes.

A² ~~Claim 6 (amended). The method according to [any of claims 2 to 4]~~
Claim 2, 3 or 4, wherein said library plate consists of a material having low infrared reflectivity.

*A³ Sub
B⁵* ~~Claim 8 (amended). The method according to [any of claims 2 to 4]~~
Claim 2, 3 or 4, wherein said library plate is coated with a film having low infrared reflectivity.

~~Claim 9 (amended). The method according to [any of claims 2 to 7]~~
Claim 2, 3, 4 or 5, wherein the region of the surface of the library plate not occupied by catalysts or materials is coated with a non-wetting film.

*A⁴ Sub
B⁸* ~~Claim 13 (amended). The method according to [any of claims 2 and 4-12]~~ Claim 2, 4, 5, 10 or 11, wherein the catalysts are within a reactor under reaction conditions and are recorded by the externally provided infrared camera through an infrared-transparent window.

~~Claim 14 (amended). The method according to [any of claims 1 to 13]~~
Claim 1, 2, 3, 4, 5, 10 or 11, wherein the infrared emission is recorded through a